

PLUS search  
ARC  
9-17-04

09977775\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09977775 on September 17, 2004

8	62/467	(2 OR, 6 XR)
	Class 062 :	REFRIGERATION
	62/467	REFRIGERATION PRODUCER
8	62/476	(3 OR, 5 XR)
	Class 062 :	REFRIGERATION
	62/467	REFRIGERATION PRODUCER
	62/476	.Sorbent type
7	62/116	(6 OR, 1 XR)
	Class 062 :	REFRIGERATION
	62/56	PROCESSES
	62/115	.Compressing, condensing and evaporating
	62/116	..Utilizing motive energy of fluid to compress
7	62/342	(3 OR, 4 XR)
	Class 062 :	REFRIGERATION
	62/340	MEANS PRODUCING SHAPED OR MODIFIED CONGEALED PRODUCT
	62/342	.With means for working congealing material, e.g., beater
7	62/497	(4 OR, 3 XR)
	Class 062 :	REFRIGERATION
	62/467	REFRIGERATION PRODUCER
	62/476	.Sorbent type
	62/497	..With means to enhance separations in generator
5	62/238.3	(3 OR, 2 XR)
	Class 062 :	REFRIGERATION
	62/238.1	DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR ABSORBER
	62/238.3	.With sorption
4	62/225	(0 OR, 4 XR)
	Class 062 :	REFRIGERATION
	62/132	AUTOMATIC CONTROL
	62/190	.Refrigeration producer
	62/216	..Of or by evaporation zone
	62/222	...Of expansion valve or variable restrictor
	62/224	....By condition at low side

09977775\_CLSTITLES

62/225 .....At or beyond evaporator outlet, i.e.,  
superheat

4 62/238.6 (1 OR, 3 XR)  
Class 062 : REFRIGERATION  
62/238.1 DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR  
ABSORBER  
62/238.6 .With vapor compression system

4 62/331 (3 OR, 1 XR)  
Class 062 : REFRIGERATION  
62/331 COMBINED

4 62/513 (2 OR, 2 XR)  
Class 062 : REFRIGERATION  
62/467 REFRIGERATION PRODUCER  
62/513 .Heat exchange between diverse function  
elements

4 99/357 (0 OR, 4 XR)  
Class 099 : FOODS AND BEVERAGES: APPARATUS  
99/324 COOKING  
99/357 .Combined

4 236/92B (4 OR, 0 XR)  
Class 236 : AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION  
  
236/67 MOTORS  
236/92R .With pressure control  
236/92B ..Refrigeration expansion valves

4 312/236 (0 OR, 4 XR)  
Class 312 : SUPPORTS: CABINET STRUCTURE  
312/236 WITH HEATING, COOLING OR HEAT EXCHANGE MEANS

4 426/634 (3 OR, 1 XR)  
Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,  
COMPOSITIONS, AND PRODUCTS  
426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR  
TREATING COMPOSITIONS INVOLVING CHEMICAL

REACTION BY

ADDITION, COMBINING DIVERSE FOOD MATERIA

L, OR PERMANENT

ADDITIVE

426/615 .Plant material is basic ingredient other than  
extract, starch or protein  
426/629 ..Bean, seed or nut product  
426/634 ...Legume

09977775\_CLSTITLES

4 426/656 (1 OR, 3 XR)  
 Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,  
 COMPOSITIONS, AND PRODUCTS  
 426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR  
 TREATING COMPOSITIONS INVOLVING CHEMICAL R  
 EACTION BY  
 ADDITION, COMBINING DIVERSE FOOD MATERIAL,  
 OR PERMANENT  
 ADDITIVE  
 426/656 .Protein, amino acid, or yeast containing

3 62/303 (2 OR, 1 XR)  
 Class 062 : REFRIGERATION  
 62/303 WITH CLEANING MEANS FOR APPARATUS

3 62/335 (0 OR, 3 XR)  
 Class 062 : REFRIGERATION  
 62/335 PLURAL PAIRED DIFFERENT FUNCTION REFRIGERATION  
 PRODUCING ELEMENTS, E.G., CASCADE

3 62/505 (1 OR, 2 XR)  
 Class 062 : REFRIGERATION  
 62/467 REFRIGERATION PRODUCER  
 62/498 .Compressor-condenser-evaporator circuit  
 62/505 ..Cooling motor and/or compressor by  
 refrigerant

3 165/62 (0 OR, 3 XR)  
 Class 165 : HEAT EXCHANGE  
 165/58 HEATING AND COOLING  
 165/61 .Heating and cooling of the same material  
 165/62 ..Refrigerating system conversion

3 221/150A (0 OR, 3 XR)  
 Class 221 : ARTICLE DISPENSING  
 221/135 WITH ARTICLE TREATMENT  
 221/150R .With cooling or heating  
 221/150A ..Heating

3 221/150HC (3 OR, 0 XR)  
 Class 221 : ARTICLE DISPENSING  
 221/135 WITH ARTICLE TREATMENT  
 221/150R .With cooling or heating  
 221/150HC ..Heating and cooling combined

2 34/77 (0 OR, 2 XR)  
 Class 034 : DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS

09977775\_CLSTITLES

	34/523	APPARATUS
	34/72	.With means to treat gas or vapor
	34/73	..By vapor condensation
	34/76	...With forced circulation
	34/77	....Recirculation of treating gas or vapor
2	60/593	(0 OR, 2 XR)
	Class	060 : POWER PLANTS
	60/325	PRESSURE FLUID SOURCE AND MOTOR
	60/533	.Pulsator
	60/593	..Having fluid motor driving piston of master unit
2	60/671	(0 OR, 2 XR)
	Class	060 : POWER PLANTS
	60/643	MOTIVE FLUID ENERGIZED BY EXTERNALLY APPLIED HEAT
	60/670	.Power system involving change of state
	60/671	..Motive fluid comprises a material other than steam or water
2	62/112	(1 OR, 1 XR)
	Class	062 : REFRIGERATION
	62/56	PROCESSES
	62/101	.Evaporation induced by sorption
	62/112	..Utilizing particular refrigerant and/or sorbent materials
2	62/117	(0 OR, 2 XR)
	Class	062 : REFRIGERATION
	62/56	PROCESSES
	62/115	.Compressing, condensing and evaporating
	62/117	..Dividing refrigerant flow, e.g., bypass parallel units
2	62/129	(1 OR, 1 XR)
	Class	062 : REFRIGERATION
	62/125	WITH INDICATOR OR TESTER
	62/129	.Condition sensing
2	62/157	(0 OR, 2 XR)
	Class	062 : REFRIGERATION
	62/132	AUTOMATIC CONTROL
	62/157	.Time or program actuator
2	62/180	(1 OR, 1 XR)
	Class	062 : REFRIGERATION

09977775 CLSTITLES

	62/132	AUTOMATIC CONTROL
	62/177	.Of external fluid or means
	62/178	..Diverse control or response
	62/180	...External fluid and refrigeration producer
2	62/196.4	(2 OR, 0 XR)
	Class 062	: REFRIGERATION
	62/132	AUTOMATIC CONTROL
	62/190	.Refrigeration producer
	62/196.1	..Bypass, e.g., compressor unloading
	62/196.4	...Condensor bypass
2	62/217	(1 OR, 1 XR)
	Class 062	: REFRIGERATION
	62/132	AUTOMATIC CONTROL
	62/190	.Refrigeration producer
	62/216	..Of or by evaporation zone
	62/217	...Back flow or pressure regulator
2	62/231	(0 OR, 2 XR)
	Class 062	: REFRIGERATION
	62/231	TIME OR PROGRAM ACTUATOR
2	62/277	(1 OR, 1 XR)
	Class 062	: REFRIGERATION
	62/272	WITH MEANS PREVENTING OR HANDLING ATMOSPHERIC CONDENSATE RELATIVE TO HEAT ABSORBER
	62/277	.Means utilizing heat developed by refrigeration producer
2	62/298	(0 OR, 2 XR)
	Class 062	: REFRIGERATION
	62/298	WITH REPAIR, ASSEMBLY OR DISASSEMBLY MEANS
2	62/324.2	(0 OR, 2 XR)
	Class 062	: REFRIGERATION
	62/324.1	REVERSIBLE, I.E., HEAT PUMP
	62/324.2	.With cooling apparatus other than gas compressor
2	62/325	(0 OR, 2 XR)
	Class 062	: REFRIGERATION
	62/324.1	REVERSIBLE, I.E., HEAT PUMP
	62/325	.External fluid flow reversed
2	62/332	(0 OR, 2 XR)
	Class 062	: REFRIGERATION
	62/332	DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL

09977775\_CLSTITLES

- 2 62/333 (0 OR, 2 XR)  
     Class 062 : REFRIGERATION  
     62/332 DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL  
     62/333 .Primary and secondary dependent circuits
- 2 62/356 (0 OR, 2 XR)  
     Class 062 : REFRIGERATION  
     62/340 MEANS PRODUCING SHAPED OR MODIFIED CONGEALED  
             PRODUCT  
     62/356 .Mold with means to absorb heat, e.g., brine  
             tank
- 2 62/480 (1 OR, 1 XR)  
     Class 062 : REFRIGERATION  
     62/467 REFRIGERATION PRODUCER  
     62/476 .Sorbent type  
     62/477 ..Absorber-still, e.g., intermittent  
     62/480 ...With solid sorbent
- 2 62/66 (2 OR, 0 XR)  
     Class 062 : REFRIGERATION  
     62/56 PROCESSES  
     62/66 .Congealing flowable material, e.g., ice makin  
     g
- 2 62/81 (2 OR, 0 XR)  
     Class 062 : REFRIGERATION  
     62/56 PROCESSES  
     62/80 .Defrosting or frost inhibiting  
     62/81 ..By utilizing working fluid of refrigeration  
             producer
- 2 73/295 (0 OR, 2 XR)  
     Class 073 : MEASURING AND TESTING  
     73/290R LIQUID LEVEL OR DEPTH GAUGE  
     73/295 .Thermal type
- 2 95/121 (0 OR, 2 XR)  
     Class 095 : GAS SEPARATION: PROCESSES  
     95/90 SOLID SORPTION  
     95/116 .Inorganic gas or liquid particle sorbed (e.g.  
             vapor, mist, etc.)  
     95/117 ..Water sorbed  
     95/121 ...And regeneration of solid sorbent

```

                                09977775_CLSTITLES
2  126/362.1      (0 OR, 2 XR)
    Class  126 :  STOVES AND FURNACES
    126/383.1      ..Collecting, directing, or shielding feature
                    for overflow or spatter of the liquid
    126/361.1      .Boiler receiving hot liquid or steam from
                    stove or furnace (e.g., kitchen boiler, ra
nge boiler, etc.)

    126/362.1      ..Having means to circulate the liquid

2  137/392        (0 OR, 2 XR)
    Class  137 :  FLUID HANDLING
    137/386        LIQUID LEVEL RESPONSIVE OR MAINTAINING SYSTEMS

    137/392        .Electrical characteristic sensing

2  165/104.21     (0 OR, 2 XR)
    Class  165 :  HEAT EXCHANGE
    165/104.11     INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL
                    RECEIVING AND DISCHARGING HEAT
    165/104.19     .Liquid fluent heat exchange material
    165/104.21     ..Utilizing change of state

2  165/104.22     (0 OR, 2 XR)
    Class  165 :  HEAT EXCHANGE
    165/104.11     INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL
                    RECEIVING AND DISCHARGING HEAT
    165/104.19     .Liquid fluent heat exchange material
    165/104.21     ..Utilizing change of state
    165/104.22     ...Including means to move heat exchange
                    material in liquid state

2  165/163        (0 OR, 2 XR)
    Class  165 :  HEAT EXCHANGE
    165/157        CASING OR TANK ENCLOSED CONDUIT ASSEMBLY
    165/163        .Conduit coiled within casing

2  165/179        (0 OR, 2 XR)
    Class  165 :  HEAT EXCHANGE
    165/177        TUBULAR STRUCTURE
    165/179        .Projecting internal and external heat transfe
r
                    means

2  165/184        (0 OR, 2 XR)
    Class  165 :  HEAT EXCHANGE
    165/177        TUBULAR STRUCTURE
    165/181        .With discrete heat transfer means

```

09977775 CLSTITLES

165/183 ..Longitudinal extending  
165/184 ...Helical

2 165/267 (0 OR, 2 XR)  
Class 165 : HEAT EXCHANGE  
165/200 WITH TIMER, PROGRAMMER, TIME DELAY, OR  
CONDITION RESPONSIVE CONTROL  
165/267 .Means to heat or cool for predetermined  
periods of time (e.g., duty cycle, time-tem  
perature  
profiler, etc.)

2 165/48.1 (1 OR, 1 XR)  
Class 165 : HEAT EXCHANGE  
165/47 STRUCTURAL INSTALLATION  
165/48.1 .Heating and cooling

2 165/63 (0 OR, 2 XR)  
Class 165 : HEAT EXCHANGE  
165/58 HEATING AND COOLING  
165/61 .Heating and cooling of the same material  
165/63 ..Refrigeration producer

2 165/64 (0 OR, 2 XR)  
Class 165 : HEAT EXCHANGE  
165/58 HEATING AND COOLING  
165/61 .Heating and cooling of the same material  
165/64 ..Heat generator

2 219/679 (1 OR, 1 XR)  
Class 219 : ELECTRIC HEATING  
219/678 MICROWAVE HEATING  
219/679 .With diverse device

2 237/19 (1 OR, 1 XR)  
Class 237 : HEATING SYSTEMS  
237/19 COMBINED WITH WATER HEATER

2 237/2B (0 OR, 2 XR)  
Class 237 : HEATING SYSTEMS  
237/2R AUTOMATIC CONTROL  
237/2B .Heat source is a reverse cycle refrigerating  
system or heat pump

2 417/310 (0 OR, 2 XR)  
Class 417 : PUMPS  
417/279 WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL



09977775\_CLSTITLES

417/307 .Pressure responsive relief or bypass valve

417/310 ..Rotary expansible chamber pump

2 417/32 (2 OR, 0 XR)

Class 417 : PUMPS

417/1 CONDITION RESPONSIVE CONTROL OF PUMP DRIVE  
MOTOR

417/32 .Responsive to pump or pump fluid temperature